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Index

. . . of editorial content

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Read Before Using This Index

Every item appearing in ENGINEERING NEWS-RECORD is indexed with the exception of certain Briefs (such as Labor Briefs, Careers) and of Obituaries.

All articles are indexed **alphabetically** by subject. Under each heading entries are listed **chronologically.**

Many important headings are divided into sub-headings, e.g., BRIDGES–by states or countries; CITIES–by name; BUILDINGS–by type (churches, garages, etc.).

The latter part of this index contains names of authors, personalities and companies. Here are listed the names of people who are the subject of articles; names of authors of by-lined articles and published letters; and names of firms about which articles were written. Individuals or firms merely mentioned in feature articles dealing with various construction projects are seldom indexed by their names.

Items that describe new materials and equipment, including Product Briefs, are indexed under the PRODUCTS & EQUIPMENT heading, with many subheadings according to subject. Entries start with the manufacturer's name and city in case of all items appearing in the Products section of the magazine.

Entries concerning only particular projects or firms are not repeated under the general heading. For example, an article about the Smith Construction Co. appears only in the NAMES section of the Index and will not be found under the heading: CONTRACTORS. A news item about bonds issued for the New Jersey Turnpike will be listed in the New Jersey section of HIGHWAYS and will not be found under: CONSTRUCTION, • Financing, where general stories on bonds are listed.

See means that all entries on the subject will be found under another heading, thus: EROSION, **see:** SOIL

See also means that a related heading should also be checked, thus: SEWAGE, **see also:** WATER POLLUTION

The following abbreviations and signs are used:

RC –– Reader Comment
CW –– Construction Week
WO –– Washington Observer
B –– Brief and Around the World
e –– Editorial
** –– Article with many illustrations
* –– Illustrated article (if asterisk precedes entry, reference is to a picture with caption only)

ENGINEERING NEWS-RECORD is published every Thursday. There are 25 or 26 issues in each half-yearly volume, covering January to June and July to December, starting with vol. 78 in 1917, when ENGINEERING NEWS and ENGINEERING RECORD joined forces under our present title.

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Midwest Lawn Saver Equipment, Appleton, Wis: Cable plow. B p192 ... Sep 17
Frommelt Industries, Dubuque, Iowa: Cable Protector. B p52 ... Sep 24
H. K. Porter, Somerville, Mass: Cable cutting keeper. B p52 ... Sep 24
American Tractor Equipment, Oakland, Cal: Hydraulically powered cable layer. B p48 ... Nov 5
Arlind Components, West Caldwell, N.J.: Powered cable cutter. B p48 ... Nov 5
Thern Machine, Winona Minn: Gasoline-powered winch. B p48 ... Nov 5

• Ceilings and Floors

Precast concrete forms tension composite floor slabs, diag. p90 ... Jul 2
Mahon (R.C.) Co, Detroit: Steel floor system. B p108 ... Jul 2
Georgia-Pacific Corp, Portland, Ore: Non slip plywood for heavy foot traffic. B p108 ... Jul 2
Plastic domes give ceiling fine finish, San Diego.*. p47 ... Aug 27
Panelboard Mfg Co, Los Angeles, Cal: Ceiling grills.* p184 ... Sep 17
Flexicore, Dayton, Ohio: Precast hollow floor. B p190 ... Sep 17
General Dynamics lab, San Diego: Honer floats on air pads to grind smoothest floor. p119 ... Dec 17

• Communications, Radio, TV, Computers, Electronics

Friden Inc, San Leandro, Cal: Calculator is a simple solid state computer. B p104 ... Jul 2
Motorola Inc, Chicago: Transistorized two-way radio. B p104 ... Jul 2
General Electric, Lynchburg, Va: Two-way radio flexibility from silicon transistors. p30 ... Jul 30
CEIR, New York City: Computer details reinforcing. p31 ... Jul 30
Ohmart Corp, Cincinnati, Ohio: Nuclear gage guides material flow. p52 ... Aug 20
Calif Computer Products, Anaheim, Cal: Magnetic tape plotting system. B p64 ... Sep 10
Graftek Inc, Princeton, N.J.: Graphic data process automates city planning. p174 ... Sep 17
Tinker & Rasor, San Gabriel, Cal: Pipe and cable transistorized locator. B p53 ... Oct 15

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Raytheon, South San Francisco: Two-way transistor radio. B p53 ... Oct 15
Arguide Instrument, Chicago: Voice amplifier. B p122 ... Nov 12
Dynascan, Chicago, Ill: AM transceiver. B p121 ... Dec 17

• Compactors, Rollers, Vibrators, Crushers
Kelly Industrial Co, Beresford, S.D.: Vibratory Screed. B p105 ... Jul 2
Essick Mfg. Co., Los Angeles, Cal: Tandem roller is easy to operate & maintain. p41 ... Jul 23
Shovel Supply Co., Inc., Dallas, Tex: Dual drum tamping roller is rugged & powerful. p41 ... Jul 23
Ingersoll-Rand, New York City: Aluminum reduces weight of shoe-type compactor. p31 ... Jul 30
Poor & Co, Minneapolis: Big jaw crusher has hydraulic shim adjustment. p50 ... Aug 13
Thor Power Tool, Aurora, Ill: Tamper jumps from a firm base.*. p53 ... Aug 20
Iowa Mfg Co, Cedar Rapids: Single pass aggregate plant includes jaw crusher. p58 ... Sep 10
Essick Mfg, Los Angeles: Vibrating sheepsfoot. B p51 ... Sep 24
Jay Corp, South Ft. Mitchell, Ky: Vibratory compactor has two close coupled drums. p46 ... Sep 24
Royer Foundry Co, Kingston, Pa: Mobile shredder. B p94 ... Oct 8
Eagle Iron Works, Des Moines, Iowa: Sand washer. B p94 ... Oct 8
Southwest Welding, Alhambra, Cal: Big pneumatic tired rollers.* B p94 ... Oct 8
Southwest Welding & Mfg, Alhambra, Cal: Sheepsfoot roller. B p122 ... Nov 12
Pitman, Grandview, Mo: Compact soil tamper operates hydraulically. p43 ... Nov 26
Hewitt-Robins, Stamford, Conn: Dual crushing plant strengthened.*. p44 ... Nov 26
Stow Mfg, Binghamton, N.Y.: Concrete tamper. B p51 ... Dec 3
Factors West, Santa Clara, Cal: Concrete tamper. B p51 ... Dec 3
Universal Engineering, Cedar Rapids, Iowa: Crushing and screening plant. p43 ... Dec 24

• Compressors
Schramm Inc, West Chester, Pa: Portable compressor user can dial air temperature. p182 ... Sep 7
Gordon Smith, Bowling Green, Ky: Air compressor. B p184 ... Sep 17
Thomas Industries, Louisville, Ky: Compressor for air tools. B p192 ... Sep 17
Hilton Engineering, Chicago: Compact air compressor. B p51 ... Sep 24
Thomas Industries, Louisville, Ky: Paint-spraying compressor. B p52 ... Sep 24

• Concrete machinery; cement; aggregate, see also: • Paving
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Johns-Manville, Celite Division, NYC: Concrete admixture. B p54 ... Aug 20
FMC Corp, Lakeland, Fla: Prestressed concrete form. B p54 ... Aug 20
Concrete Equipment, Vlair, Neb: Batch plants come in two sizes.*. p52 ... Aug 27
Ridley & Co, Los Angeles, Cal: Concrete pump. B p184 ... Sep 17
Dixie Form & Steel, San Antonio, Tex: Concrete bucket. B p186 ... Sep 17
Clipper Mfg, Kansas City, Mo: Compact concrete saw. B p197 ... Sep 17
Eveready Briksaw, Kansas City, Mo: Troweling machines. B p190 ... Sep 17
National Concrete Machinery, Lancaster, Pa: Trailer proportions concrete on job.*. p49 ... Sep 24
Champion Mfg, St. Louis, Mo: Troweling machines. B p51 ... Sep 24
Miller Swivel Products, Pomona, Cal: Concrete bucket. B p52 ... Sep 24
Universal Form Clamp, Chicago: Trade-in concrete forms. B p53 ... Sep 24
Equipment Development, Silver Spring, Md: Power trowel. B p96 ... Oct 8
Equipment Development, Silver Spring, Md: Concrete saw. B p96 ... Oct 8
Eveready Briksaw Co, Kansas City, Mo: Saw blade for concrete. B p53 ... Oct 15
Air Placement Equipment, Kansas City, Mo: Concrete conveyor. B p48 ... Nov 5
Stow Mfg., Binghamton, N.Y.: Troweling machine. B p48 ... Nov 5
Rex Chainbelt, Milwaukee, Wis: Tilting mixer holds 10 cu yd.*. p116 ... Nov 12
Prime-Mover, Muscatine, Iowa: Concrete buggy. B p120 ... Nov 12
Creative Metals, Emeryville, Cal: Concrete saw. B p120 ... Nov 12
Ramsey Engineering, St. Paul, Minn: Automatic batch control. B p122 ... Nov 12
Detroit Tool & Engineering, Lebanon, Mo: Wet-mix concrete machine.*. B p51 ... Dec 3
Jahn Concrete Forming Method, Denver, Colo: Key joint for concrete slab on grade. B p121 ... Dec 17
Pullman Vacuum Cleaner, Boston, Mass: Vacuum cleaner for formwork. B p120 ... Dec 17

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Harnischfeger, Milwaukee: Truck crane lifts 125 tons, reaches 330 ft.*. p116 ... Aug 6
American Hoist & Derrick, St. Paul, Minn: Stiff-leg derrick. B p118 ... Aug 6
Sanderson Cyclone Drill Co, Orrville, Ohio: Mobile hoist. B p64 ... Sep 10
Northwest Engineering Co, Chicago: Crane cab can be raised.*. p174 ... Sep 17
General Construction Equipment, Montville, N.J.: Boom angle indicator. p180 ... Sep 17
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Miller Swivel Products, Pomona, Cal: Crane warning system. B p186 ... Sep 17
Aeroil Products Co, South Hackensack, N.J.: Monorail hoist. B p186 ... Sep 17
Kroll Cranes, NYC: Hammerhead tower cranes. B p192 ... Sep 17
Aero-Motive, Kalamazoo, Mich: Tag line reels. B p51 ... Sep 24
Merrill Bros, Maspeth, N.Y.: Beam lifting clamp. B p51 ... Sep 24
City Engineering, Indianapolis: Electric winch hoist. B p54 ... Sep 24
Hiab Hydraulics, Wilmington, Del: Truck mounted crane. B p94 ... Oct 8
American Steinweg, Atlanta, Ga: Portable hoist. B p94 ... Oct 8
Towmotor Corp, Cleveland: Cool clutch for forklifts. B p94 ... Oct 8
Thew-Lorain, Lorain, Ohio: Mobile crane. B p96 ... Oct 8
National Crane, Waverley, Neb: Telescopic boom. B p53 ... Oct 15
Hanson Sales Co, Windsor, Conn: Hydraulic crane. B p53 ... Oct 15
American Hoist & Derrick, St. Paul, Minn: Truck crane. B p53 ... Oct 15
Northern Line Machine & Engineering, Tacoma, Wash: Underground crane. B p120 ... Nov 12
Harnischfeger Corp, Milwaukee, Wis: Truck crane. B p120 ... Nov 12
Baldwin-Lima-Hamilton, Aurora, Ill: Hydraulic telescoping boom crane. B p51 ... Dec 3
Manitowoc Engineering, Manitowoc, Wis: 130-ton truck crane. B p51 ... Dec 3
General Machine Products, Trevose, Pa: Trolley hoist. B p51 ... Dec 3
Side-O-Matic Unloader, York, Pa: Hydraulic truck unloader.*. B p51 ... Dec 3
Mayco, Los Angeles, Cal: Two-platform hoist. B p120 ... Dec 17
Detroit Hoist and Machine, Detroit, Mich: Bridge-crane kit. B p120 ... Dec 17

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Pioneer Industries, Carlstadt, N.J.: Acoustic door. B p192 ... Sep 17
Steelcraft Mfg, Cincinnati, Ohio: Drywall door frame. B p52 ... Sep 24
American Saint Gobain Corp, Kingsport, Tenn: Economy glass door. B p54 ... Sep 24

• Dredges
Army corps of engineers builds three-way disposal.*. p21 ... Nov 26

• Drills, Augers
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Felker Mfg, Torrence, Calif: Diamond drills. B p118 ... Aug 6
Black & Decker, Towson, Md: Two-speed hand drill. B p197 ... Sep 17
Skil Corp, Chicago: Roto hammer. B p52 ... Sep 24
Hughes Tool Co, Dallas: Replaceable drill bit.*. B p52 ... Sep 24
Davis Mfg, Wichita, Kan: Horizontal boring system. B p53 ... Sep 24
Longyear Co, Minneapolis: Frozen soil drill. B p53 ... Sep 24
George Failing Co, Enid, Okla: Combination auger drill. B p54 ... Sep 24
Calweld Inc, Los Angeles: Big earth auger drills 10 ft holes 400 ft deep.*. p88 ... Oct 8
Brunner & Lay, Franklin Park, Ill: Drill bits. B p94 ... Oct 8
Skil Corp, Chicago: Power drill. B p48 ... Nov 5
Longyear Co, Minneapolis: Self-sharpening drill. B p48 ... Nov 5
Danuser Machine, Fulton, Mo: Boring head. B p122 ... Nov 12
Stanley Works, Willowick, Ohio: Air-driven hand drill. B p51 ... Dec 3
Ingersoll-Rand, New York, N.Y.: Feed tower has continuous swing. p41 ... Dec 24
Schramm, West Chester, Pa: Truck-mounted drill rig drives to 1,500 ft deep. p43 ... Dec 24

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Roberts Electric Co, Chicago: Hydraulic transmission, 6–1 torque multiplier. B p104 ... Jul 2
Turner Corp, Sycamore, Ill: Diesel starter. B p118 ... Aug 6
General Motors, Pontiac, Mich: Diesel for light trucks features fast combustion. p45 ... Aug 13
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Wm. W. Meyer & Sons, Skokie, Ill: Insulation blowers. B p186 ... Sep 17
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Leece-Neville, Cleveland, Ohio: Diesel cranking. B p94 ... Oct 8
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Champion Mfg, St. Louis, Mo: Dual-cycle generator. B p96 ... Oct 8
Gas turbine powers big hauling rig.*. p30 ... Oct 29
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Seminole Products, Glendora, N.J.: Stripe on blasting wire prevents crossing strands. p114 ... Aug 6
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American Atlas, NYC: Excavator is also a crane. p53 ... Aug 27
The Hy-Dynamic, Lake Bluff, Ill: Backhoe loader combine is bigger, more powerful. p174 ... Sep 17
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Ersham, J.B. Co, Enterprise, Kan: Conveyor idlers. B p52 ... Oct 22
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Kelly Products, Houston, Tex: Intermediate rippers. B p52 ... Oct 22
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Hilti Fastening Systems, Stamford, Conn: Fastening device. B p104 ... Jul 2
Timber Engineering Co, Washington D.C.: Siding fastener is hidden.*. p52 ... Aug 20
Bostwick Steel Lath Co, Niles, Ohio: Heavy duty steel stud. B p54 ... Aug 20
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Spotnails Inc, Rolling Meadows, Ill: Pneumatic nailer. B p184 ... Sep 17
Woleslagle Mfg, Leicester, N.Y.: chain saw shield. p186 ... Sep 17
Seton Name Plate Co, New Haven, Conn: Tool checks. B p190 ... Sep 17
Eveready Briksaw Co, Kansas City, Mo: Troweling machines. B p190 ... Sep 17
Buff & Buff, Jamaica Plain, Mass: Vertical plumbing scope.*. B p194 ... Sep 17
Reed Products, St. Louis, Mo: Motorized drafting board.*. p197 ... Sep 17
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Sanstorm Mfg, Fresno, Cal: Sandblasting machine. B p190 ... Sep 17
Keuffel & Esser, Hoboken, N.J.: Lettering pencil. B p54 ... Sep 24
Air Placement Equipment, Kansas City, Mo: Twin sandblaster. B p94 ... Oct 8

Skil Corp, Chicago: Trade-in hammers. B p94 ... Oct 8
E. H. Wachs Co, Chicago: Stationary saw. B p94 ... Oct 8
Hallikainen Instruments, Berkeley, Cal: Quick soil testing. B p52 ... Oct 22
Huck Mfg., Detroit, Mich: Electric hand tool for steel fastener. B p48 ... Nov 5
Black & Decker, Towson, Md.: Six-speed saw. B p48 ... Nov 5
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Alcott Calculator, Fort Lauderdale, Fla: Drafting aid. B p122 ... Nov 12
Millers Falls, Greenfield, Mass: Power tools need no third wire, diag. p38 ... Nov 26
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American Research and Mfg Co, Rockville, Md: High-voltage connectors. B p105 ... Jul 2
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Westinghouse Electric, Bloomfield, N.J.: Lamp maintains constant light. p53 ... Aug 27
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Noble Co., Oakland, Calif.: Part-time operator runs asphalt batching console. p41 ... Jul 23
Ross Porta-Plant, Bronwood, Tex: Batch plant is highly mobile,*. p110 ... Aug 6
Aeroil Products, South Hackensack, N.J.: Old asphalt renewed by infrared rays,*. p53 ... Aug 27
American Tractor, Oakland, Cal: Attachment renews old pavement,*. p58 ... Sep 10
TFC Corp, Milwaukee: Bulk feeder delivers filler to asphalt. B p94 ... Oct 8
Pavement Specialists, Kansas City, Mo: Machines form joints in pavement,*. p44 ... Nov 5
Rex Chainbelt, Milwaukee: Mixer for soil stabilization has hydrostatic drive,*. p44 ... Nov 5
Hanson, Palouse, Wash: Automated finisher trims base,*. p38 ... Nov 26
Barber-Greene, Aurora, Ill: Rubber tires boost SB-41 finisher speed. p44 ... Nov 26
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Lear Siegler Inc, Elyria, Ohio: Air coupling. B p108 ... Jul 2
National Utility Products, Cleveland, Ohio: Manhole cover gaskets. B p108 ... Jul 2
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U.S. Steel, Pittsburgh: Electrical resistance pipe longer and thinner. p172 ... Sep 17
Yale & Towne, Batavia, N.Y.: Hydraulic sideboom attachment for pipeline jobs. B p52 ... Sep 24
Railroad Accessories, Cresskil, N.J.: Hydraulic ram to push pipes. B p48 ... Nov 5
Wallace Supplies Mfg., Chicago: Pipe benders. B p48 ... Nov 5
Armco Steel, Middletown, Ohio: Corrugated pipe end sections,*. B p51 ... Dec 3
Raybestos-Manhattan, Passaic, N.J.: Clutchless valve operator. B p51 ... Dec 3
Whitco Chemical, New York, N.Y.: Pipeline coating primer. B p120 ... Dec17
Insu-Coustic, Maspeth, N.Y.: Pipe fitting insulators. B p121 ... Dec 17
Horace T. Pitts, Philadelphia, Pa: Tapered insert flange speeds assembly of pipelines. B p120 ... Dec 17
James B. Clow & Sons, Chicago, Ill: Pipe fittings have rubber gaskets. p42 ... Dec 24

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Colonial Plastics, Cleveland: Polyvinyl chloride pipe,* B p51 ... Sep 24
Butyl rubber sheeting lines Hawaii reservoir,*. p51 ... Oct 22
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Code makes hoist safe for men and materials,**. p106 ... Aug 6
Sigma Engineering, Los Angeles, Cal: Ear plugs. B p118 ... Aug 6
Atlas Safety Equipment, Brooklyn, N.Y.: Safety device attaches to vertical lifelines. p47 ... Nov 5
Jackson Products, Warren, Mich: Face shield. B p120 ... Nov 12
B.F. Goodrich Industrial Products, Akron, Ohio: Safety boots. B p120 ... Dec 17

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Personnel hoists made by several manufacturers,**. p106 ... Aug 6
Machen Products, Toledo, Ohio: Ladder support. B p118 ... Aug 6
Teale & Co, Omaha, Neb: Snooper hydraulic mobile scaffold reaches under bridges,*. p46 ... Aug 13
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Donn Products, Westlake, Ohio: Roof deck supports itself,*. p48 ... Aug 13
Lukens Steel, Coatesville, Pa: Five new high-strength steels available. p53 ... Aug 20
Foundation Specialties, NYC: "Inspector" checks slope of hollow piles. p55 ... Sep 10
Granco Steel Products, St. Louis, Mo.: Galvanized canal lining. B p48 ... Nov 5
Weyerhaeuser Co., Tacoma, Wash: Laminated beams,*. p105 ... Nov 12
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Hough (Frank G.) Co, Libertyville, Ill: Fourth unit in articulated tractor shovels,*. p109 ... Aug 6
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Allis-Chalmers, Milwaukee: Apron powers down to load better on 460 scraper,*. p109 ... Aug 6
General Motors, Euclid Div, Hudson, Ohio: Three engines drive scraper,*. p110 ... Aug 6
Allis-Chalmers, Milwaukee: Pusher cushion block for tractor. B p118 ... Aug 6
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Caterpillar Tractor, Peoria, Ill: Side dump bucket for traxcavator. B p52 ... Oct 22
M–R–S Manufacturing, Flora, Miss: Elevating scraper has 12-cu-yd capacity. p46 ... Nov 5
Yale & Towne, Batavia, N.Y.: Trojan tractor shovel redesigned,*. p106 ... Nov 12
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Florida truck weighing station does double duty,*. p105 ... Aug 6
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White Motor Co, Lansing, Mich: Reo truck has three driven axles. p53 ... Aug 20
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General Motors, Detroit: Chevrolet trucks grow to 327 models,*. p55 ... Sep 10
John Deere, Moline, Ill: Forklift trucks. B p64 ... Sep 10
Clement-Braswell, Minden, La: Lift trailers are custom built,*. p172 ... Sep 17
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Gas turbine powers a big hauling rig,*. p31 ... Oct 29
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Sprayed mortar forms joints,*. p45 ... Sep 24
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R. C. Mahon Co, Detroit: Insulated metal curtain wall. B p54 ... Sep 24
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Worden-Allen Co, Milwaukee: Packaged Sanitaire aerobic sewage plants. p45 ... Aug 13
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